



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/693,400	10/24/2003	Armin Schorer	50316/01001	1926
21559	7590	08/02/2004	EXAMINER	
CLARK & ELBING LLP 101 FEDERAL STREET BOSTON, MA 02110			FLANAGAN, BEVERLY MEINDL	
			ART UNIT	PAPER NUMBER
			3739	

DATE MAILED: 08/02/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No. 10/693,400	Applicant(s) SCHORER, ARMIN	
	Examiner Beverly M. Flanagan	Art Unit 3739	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
  - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is FINAL.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-12 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____.  |

*Beverly M. Flanagan*  
**BEVERLY M. FLANAGAN**  
**PRIMARY EXAMINER**

## DETAILED ACTION

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-5 and 10-12 are rejected under 35 U.S.C. 102(b) as being anticipated by Sakamoto (U.S. Patent No. 6,095,972).

**In regard to claims 1 and 11**, Sakamoto teaches a laryngoscope with a blade 10 with an upper blade tip 12 and a lower blade tip 14 that are pivotally secured to upper tip flange 38 at pivot connection 13 and to lower tip flange 36 at pivot connection 16 (see Figure 2). Figures 2, 7 and 8 show that blade tips 12 and 14 comprise a flat element and have a thickened, rounded lip. **In regard to claim 2**, Sakamoto teaches a thumb plunger 20 that actuates a push rod 22 and a spring 28 to pivot blade tips 12 and 14 (see Figure 2). **In regard to claims 3, 5-8 and 12**, Sakamoto teaches provision of a conventional light source 34 that may also be part of a fiber optic circuit, fixable within the blade and either stiff, flexible or removeable, as is known in the art (see col. 4, lines 25-34). **In regard to claim 4**, Figure 27 shows an alternate embodiment with a curved blade 10 where the light emission output at the distal end of blade 10 would be inclined to a longitudinal axis of the optical device. **In regard to claim 10**, Sakamoto teaches that the laryngoscope is provided with a light source 34 having a light source conduit 60

that connects the power source in handle 26 with the transmission source in blade 10 (see Figure 23 and col. 4, lines 25-34).

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 9 is rejected under 35 U.S.C. 103(a) as being unpatentable over Sakamoto (U.S. Patent No. 6,095,972) in view of Rothfels (U.S. Patent No. 5,873,818).

**In regard to claim 9**, Sakamoto is silent as to a wide angle lens as part of the fiber optic circuit. However, Rothfels discloses a similar laryngoscope 10 having an optical system 44 with a prism-lens 50 with a concave portion 56 that serves to produce a wide-angle view, thus creating a highly expanded viewing region (see col. 3, lines 19-50). Within this expanded viewing region would inherently be the viewing angles in the range of 0 to 75 degrees. Rothfels thus demonstrates that laryngoscopes provided with optical systems incorporating wide angle lenses are well known in the art. Accordingly, it would have been obvious for one of ordinary skill in the art at the time the invention was made to provide the fiber optic circuit of Sakamoto with the wide angle prism-lens disclosed by Rothfels, in the interest of equipping the laryngoscope with a highly expanded viewing region.

### ***Conclusion***

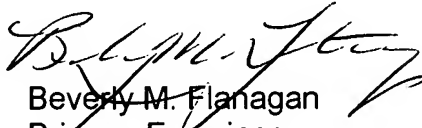
The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Applicant should note the following prior art references disclosing laryngoscope with hinged blade portions and handle mechanisms for activation of such: Mentzelopoulos et al. (U.S. Patent No. 6,251,069); Franicevic, U.S. Patent No. 5,498,231; Bauman, U.S. Patent No. 4,573,451 and Kadell, U.S. Patent No. 4,314,551.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Beverly M. Flanagan whose telephone number is (703) 305-7202. The examiner can normally be reached on Mondays, Tuesdays and Thursdays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Linda C.M. Dvorak can be reached on (703) 308-0994. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 3739

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Beverly M. Flanagan  
Primary Examiner  
Art Unit 3739

\*\*\*